

Timken Company - Steel Division
1835 Dueber Ave. S.W.
Canton, Ohio 44706

OHD 004-465-100
Ohio EPA P.A.

US EPA RECORDS CENTER REGION 5



494539

RECEIVED

JUL 3 - 1985

OHIO EPA-N.E.D.O.

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James A. Rhodes, Governor
Wayne S. Nichols, Chairman

P.O. Box 1049
361 E. Broad St.
Columbus, Ohio 43216
(614) 462-6931

TO: Paula Cotter, OHMM
FROM: Michael Shapiro 9/16/81
SUBJECT: ISS Survey - Timken Company, Dueber Avenue, Canton

Please have the ISS Survey for the above-referenced facility include, receive, and/or address the following areas of concern:

1. Attachments I and II (topo map and aerial photograph).
2. Surface Impoundment:
 - (a) Is the impoundment lined? What is the geologic formation? How much clay, etc? Are there signs of erosion? What condition is it in?
 - (b) How many impoundments? Where are they located?
 - (c) Is there any treatment in the impoundment, settling, etc?
 - (d) Are there any monitoring wells near the impoundment? What does the data indicate?
 - (e) Does the NPDES permit include the impoundment?
 - (f) Is there sludge in the impoundments? If yes, how is it disposed?
3. Treatment:
 - (a) Please explain the treatment process.
 - (b) Where does treatment take place?
 - (c) The permit application indicates that after treatment, the acid is pumped to on-site surface impoundments. Then what? If it leave the site, where does it go?

- (d) Are there any containers or tanks on site holding or treating hazardous waste?

4. Complaints:

- (a) Have there been any public complaints concerning this facility?
- (b) How close are residences to the surface impoundments?

Thank you for your courtesy and attention to this matter.

ChicPEA Inter-Office Communication

Paula Cotter, OHMM, C.O.

DATE: September 25, 1981

FROM: Robert E. Buda, NEDO *rh*

SUBJECT: ISS Survey - Timken Company, Dueber Avenue, Canton - 81-HW-0588

1. Could not locate.
2. Surface Impoundments
 - a(1). The impoundment is not lined.
 - (2). Unknown.
 - (3). No clay is believed to have been utilized.
 - (4). There are no signs of erosion.
 - (5). It is in good condition.
 - b. One impoundment with two dikes inside of it.
 - c. Very little treatment occurs in the impoundment, some settling.
 - d(1) There are monitoring wells near the impoundment.
 - (2) They indicate that there is no contamination of ground water.
 - e. The NPDES permit does not include the impoundment.
 - f(1) There is sludge in the impoundment.
 - (2) To date none of this sludge has been removed from the property.
3. a. Timken operates an acid treatment facility for the neutralization of metal-laden spent sulfuric pickle liquor, pickling rinsewaters and metal-laden spent hydrochloric etching acid. Spent pickle liquor and pickling rinse waters comprise 99% of the total volume neutralized. Aqueous slurries of calcium carbonate and calcium hydroxide are the neutralizing agents. Neutralization is always applied and target neutral end point is approximately a pH of 10.

Type of steel pickled (low alloy) and the acid used are consistent in day-to-day operations. Spent pickle acid is, therefore, virtually constant. Because the neutralization materials and neutralization practices are constant, the waste produced does not significantly vary; hence, grab samples are representative of its characteristics. In addition, it is most unlikely, if not impossible, that any waste would or could be produced from this process which is not covered by the demonstration reflected within.

 - b. Treatment takes place in a 26,000 gallon reaction tank.
 - c. After being pumped to the on site surface impoundments, the sludge stays there. None has left the site to date.
 - d. Only the storage and treatment vessels indicated above.

ICC

TO: Paula Cotter, CC

From: Rob Buda, NEDO

September 25, 1981

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4. a. Not to our understanding.
- b. There are residences in the area. Not very close to the impoundment area, however.

REB:mjo